

Serial No.

ocket No. RD-28645

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Radislav A. Potyrailo et al.

Group Art Unit:

Serial No.:

Examiner:

Filed:

For FABRICATION, PERFORMANCE TESTING, AND
SCREENING OF THREE DIMENSIONAL ARRAYS :
OF MATERIALS

J1046 U.S. PTO
10/083727
02/27/02

INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**
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- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**
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ATTN: BOX PATENT APPLICATION
Assistant Commissioner for Patents
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Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

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Serial No.

Docket No. RD-28645

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below; or
- ☐ 9 The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
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- ☒ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
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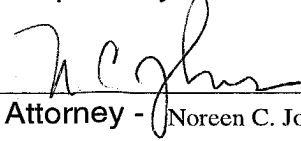
An original and two (2) copies of this document are enclosed.

2/19/02

Date

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Respectfully submitted,



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OMB No. 0651-0011 (12/31/86)

Sheet 1 of 3

Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. RD-28,645	Serial No. Unassigned
	Applicant(s): Radislav A. Potyrailo James N. Cawse	
	Filing Date Herewith	Group Unassigned

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U.S. PATENT DOCUMENTS

Examiner * Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,436,879	3/13/1984	Miller et al.	525	439	12/27/1982
	5,985,356	11/16/1999	Schultz et al.	427	8	10/18/1994
	6,004,617	12/21/1999	Schultz et al.	427	8	6/7/1995
	6,083,682	7/4/2000	Campbell et al.	435	4	12/19/1997

FOREIGN PATENT DOCUMENTS

Examiner * Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
	WO 00/13004	3/9/2000	WO			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

Examiner * Initial	Title/Author/Publisher/Year Published/Page(s)
	Ballantine, D. S., Jr., et al., <i>In Acoustic Wave Sensors: Theory, Design, and Physico-Chemical Applications</i> , 1997, Chapter 6, Academic Press: San Diego, CA.
	Bertsch, P., et al., 2000, <i>Rapid Prototyping J.</i> , 6(4): 259-266.
	Breguet, J.-M. and A. Bergander, 2001, <i>Proc. SPIE</i> Vol: 4568, paper 30.
	Cong, P., et al., <i>Angew. Chem. Int. Ed.</i> , 1999, 38: 484-488.
	Hanak, J.J., et al., <i>J. Vac. Sci. Technol.</i> , 1971, 8: 172-175.
	Hanak, J.J., <i>J. Materials Science</i> , 1970, 5: 964-971.
	Hozwarth, A., et al., <i>Angew. Chem. Int. Ed.</i> , 1998, 37: 2644-2647.
	Karapatis, N.P., et al., <i>Rapid Prototyping J.</i> , 4: 77-89, 1998.
	Langen, H., et al., 1998, <i>International J. of Electrical Machining</i> , 3: 65-69.
	Lundstrom, I., et al., <i>Nature</i> , 1991, 352: 47-50.
	Mark, H. and J. Workman, <i>Statistics in Spectroscopy</i> : Academic Press: San Diego, CA, pp. 263-276 (1991).

EXAMINER	DATE CONSIDERED
*Examiner: Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	6,168,914 B1	1/2/2001	Campbell et al.	435	4	12/18/1998
	6,200,737	3/13/2001	Walt et al.	430	320	8/24/1995

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

Examiner * Initial	Title/Author/Publisher/Year Published/Page(s)
	Miller, J. C. and J. N. Miller, <i>Statistics for Analytical Chemistry</i> , Ellis Horwood, New York, NY, pp. 101-139 (1993).
	Pham, D.T. and R. S. Gault, 1998, <i>Intern. J. of Machine Tools and Manufacture</i> , 38 (10-11): 1257-1287.
	Prince, B.M. et al., <i>Analytical Chemistry</i> , 2001, 73: 1007-1015.
	Schwabacher, A.W., et al., <i>J. Am. Chem. Soc.</i> , 1999, 121: 8669-8670.
	Utke, B., et al., June 2000, <i>Microelectronic Engineering</i> , 53(1-4): 261-264.
	Xiang, X.-D., et al., <i>Science</i> , 1995, 268: 1738-1740.
	Kennedy, K.; Stepansky, T.; Davy, G.; Zackay, V.F.; Parker, E.R., Rapid Method for Determining Ternary-Alloy Phase Diagrams, <i>Journal of Applied Physics</i> , Vol. 36, No. 12, Dec. 1965, pp. 3808-3810
	Gentsch, J.; Bruttger, O., High Throughput Screening at the Nano Scale, <i>JALA</i> , Vol. 5, No. 3, 7/00, pp. 60-65

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Examiner * Initial	Title/Author/Publisher/Year Published/Page(s)
	Evans, J.R.G.; Edirisinghe, M.J.; Coveney, P.V.; Eames, J., Combinatorial Searches of Inorganic Materials Using the Ink-Jet Printer: Science, Philosophy and Technology, Journal of the European Ceramics Society, 21 (2001) 2291-2299
	Prinz, V. Ya; Grutzmacher, D.; Beyer, A.; David, C.; Ketterer, B.; Deckardt, E., A new technique for fabricating three-dimensional micro- and nanostructures of various shapes, Nanotechnology 12 (2001) 399-402
	Whitesides, G.M., Organic Materials Science, MRS Bulletin, Jan. 2002, Vol. 27, No. 1, pp. 56-65

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